

SEQUENCE LISTING

<110> Shuster, Samuel J.
 Arvidsson, Ulf N.G.
 Stone, Laura S.
 Zhang, Hong-Yan
 Hart, Lucy Vulchanova

<120> Methods and Materials for Modulating
 Task-3

<130> 14848/004US1

<140> 10/500,444

<141> 2004-06-29

<150> PCT/US02/41834

<151> 2002-12-31

<150> 60/346,070

<151> 2001-12-31

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1620

<212> DNA

<213> Rattus norvegicus

<400> 1

```

cgtagtagcg gaggttagt ccgcgcggcg ctgcactggg attctcgcgg tctgggttcac 60
ctcccccttg gcatctcctt cttggcgggc atgaagcggc agaacgtgcg taccctgtcc 120
ttgatcgctt gtaccttcac ctacctgctg gtgggtgccc cgggtgttcga cgccctcgag 180
tcggaccatg agatgcgcga ggaggagaaa cttaaagcag aagagggtccg cctcagaggc 240
aagtacaaca tcagctccga tgactaccag cagctggagc tggtaatcct gcagtctgag 300
ccccaccgcg ctggtgtcca gtggaagtgc gccgggtcct tctacttcgc tatcactgtc 360
atcacaacta tcggatatgg acatgctgca cctggaaccg atgctggcaa ggccttctgt 420
atgttctatg ctgtgctggg tatccctctg acgctgggta tgttccagag cctgggcgag 480
cgcataaaca ccttcgtgcg ctacctgctg aaacggatca agaagtgcgt tggcatgcgc 540
aacactgaag tttctatgga gaacatggtg accgtcggct tcttttcttg catgggcctc 600
gtgccttggg cggctgcctt ttcccagtgc gaagattgga gcttcttcca cgcttactac 660
tactgcttca ttacttgac tactataggg ttccggcgact ttgtggccct gcaatccaag 720
ggtgccctgc agaggaagcc attctacgtg gccttcagct tcatgtatat cctgggtggg 780
ctgaccgtca tcggtgcctt cctcaatcct gtggtcctgc gattcctgac catgaatacc 840
gatgaagatc ttctggaggg agaagttgcg cagatacttg ctggaaaccc aagacgggtg 900
gttggtccgtg tgcctcagag tcgcaagagg caccaccca tgtacttcct caggaaatac 960
ggccgaaccc tgtgctatct ctgcttccct ggtgccaaact ggggtgatga tgatgacgat 1020
gatgatgacg ccgtcgagaa tgtcgtagtt actactcctg ttccctcctg tgttgctgct 1080
gctgctgctg ctgctactcc tgggtcccagt accaggaatg tccgggctac agtccactcg 1140
gtttcctgca ggggtgaaga gatccctccg gacgtgctga ggaacaccta cttccgggtc 1200
ccattcggcg ccattccctc tggaatgcac acctgcgggg aaaaccacag gctgcacatc 1260
cgtcgcaagt ccattctaagt gtggggaggg aagtacacgg aagaatcatt tgtcatgcag 1320
atgtaagtgt cattgtccca actcctctct cctccttat ttattattat tctctttttt 1380
tgtgcttaca gtcattcatc ttcccttctc tcttccctcc tctcctgggt tcatttcttt 1440
ccgaccttcc cagccaggca gagctgtcca aagggcaaact agaggcccat cctctctgaa 1500

```

gctcgcacct gagcatgaag catggattcc ttcctttctc cccaccagag ttatgcctta 1560
 catttctccc caccctgcct cctctctctg ggggtggcttt cctaggacag gtgtgagaac 1620

<210> 2

<211> 1125

<212> DNA

<213> Homo sapiens

<400> 2

atgaagaggc agaacgtgcg gactctgtcc ctcatcgtct gcaccttcac ctacctgctg 60
 gtgggcgccg ccgtgttcga cgccctcgag tcggaccacg agatgcgca ggaggagaaa 120
 ctcaaagccg aggagatccg gatcaagggg aagtacaaca tcagcagcga ggactaccgg 180
 cagctggagc tgggtgaccc gcagtcggaa ccgcaccgcg ccggcgcca gtggaaattc 240
 gccggctcct tctactttgc gatcacggtc atcaccacca taggttatgg gcacgctgca 300
 cctggcaccg atgcgggcaa ggccttctgc atgttctacg ccgtgctggg catcccgctg 360
 acactggtca tgttccagag cctgggagag cgcataaaca ccttcgtgcg ctacctgctg 420
 aagcgcatta agaagtgtcg tggcatgcgc aacactgacg tgtctatgga gaacatggtg 480
 actgtgggct tcttctcctg catggggacg ctgtgcatcg gggcgccgcg cttctcccag 540
 tgtgaggagt ggagcttctt ccacgcctac tactactgct tcatcacgtt gactaccatt 600
 ggggttcggg actacgtggc cctgcagacc aagggtgccc tgcagaagaa gccgctctac 660
 gtggccttta gctttatgta tatcctgggtg gggctgacgg tcatcggggc cttcctcaac 720
 ctggctcgcc tcaggttctt gaccatgaac agtgaggatg agcggcgagg tgctgaagag 780
 agggcatccc tcgccggaac ccgcaacagc atggtcattc acatccctga ggagccgcgg 840
 cccagccggc ccaggtacaa ggcgacgctc ccggacctgc agtctgtgtg ctccctgcacc 900
 tgctaccgct cgcaggacta tggcgccgcg tcgggtggcac cgcagaactc cttcagcgcc 960
 aagcttgccc cccactactt ccaactccatc tcttacaaga tcgaggagat ctcaccaagc 1020
 acattaaaaa acagcctctt cccatcgctt attagctcca tctctcctgg gttacacagc 1080
 ttaccgacc accagaggct gatgaaacgc cggaagtccg tttag 1125

<210> 3

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide antisense

<400> 3

atggcttcct ctgcaggg

18